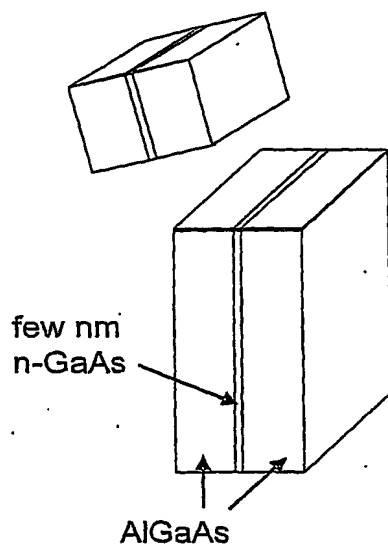


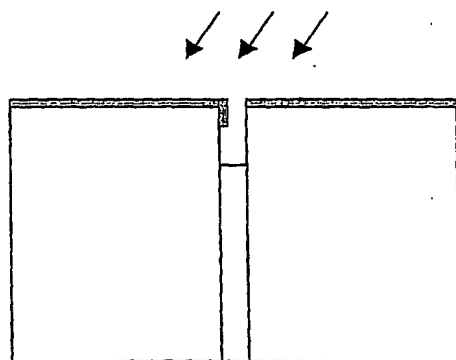
Fig.1

1)



- MBE grown GaAs/AlGaAs stack

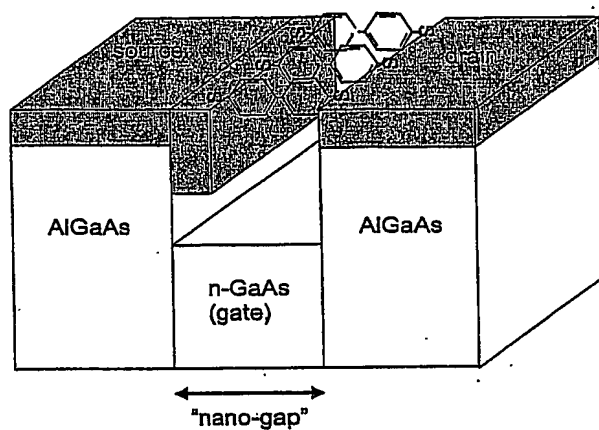
2)



- Selective GaAs wet etch
- Metal angle evaporation

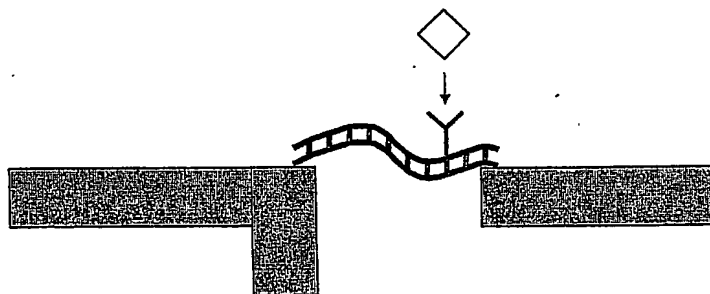
Fig. 2:

A) Molecular electronics



- Conjugated molecules bridging the electrode gap
- Transistor operation

B) Biomolecular Recognition



Molecules with specific bio-molecular binding group

Fig. 3

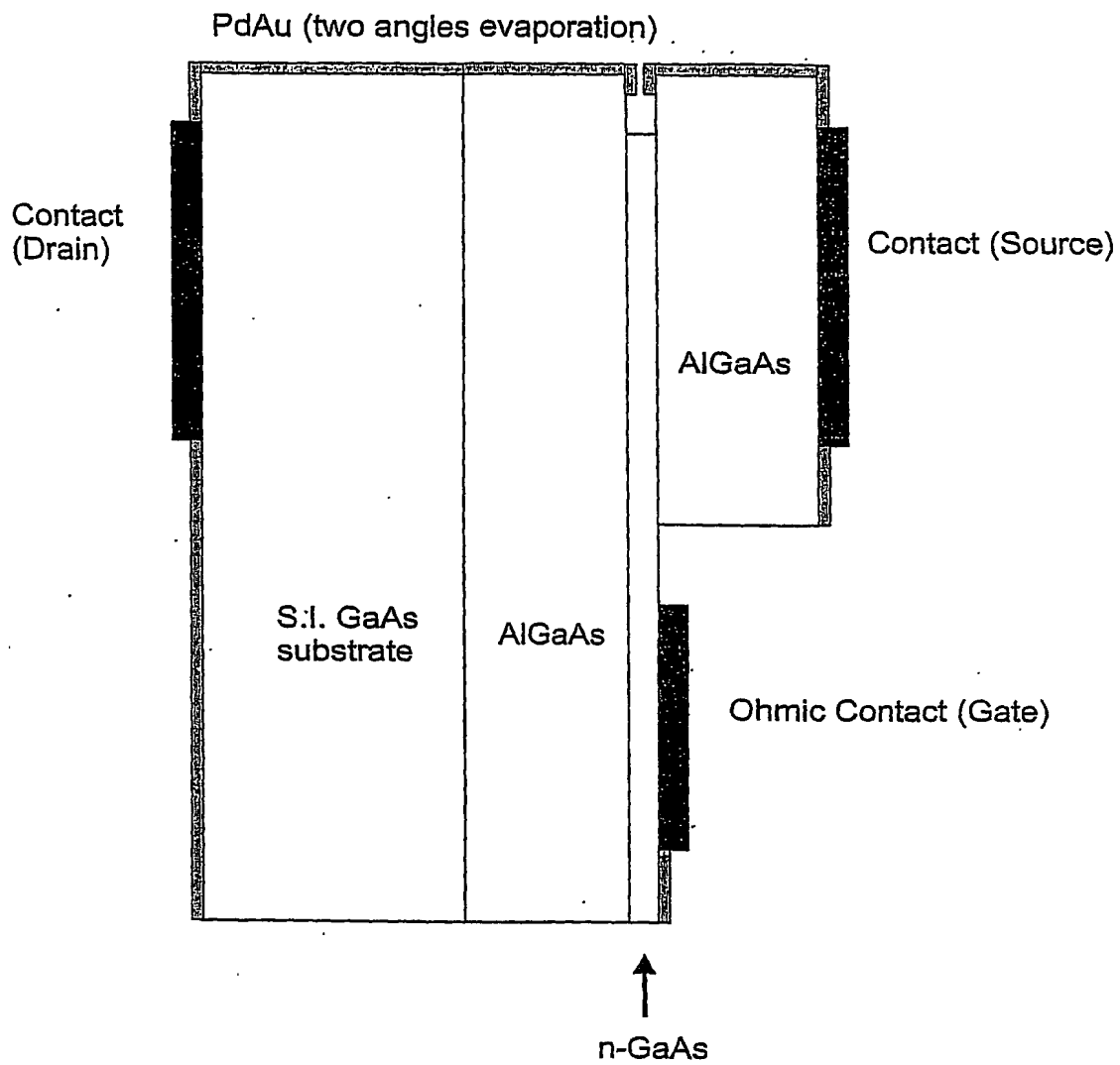


Fig. 4

